

Query/Command : PRT SS 1 MAX 1 LEGALALL

1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image**Patent Number :**

US6021770 A 20000208 [US6021770]

Title :

(A) Bow stabilizer with game finder

Patent Assignee :

(A) JOHN C SODARO (US); ARVID A AMES (US)

Patent Assignee :Arvid A. Ames, Tomahawk WI [US]
John C. Sodaro, Monkton VT [US]**Inventor(s) :**

(A) SODARO JOHN C (US)

Application Nbr :

US12193698 19980724 [1998US-0121936]

Filing Details :Rel. Prov. 60/053,927 19970728 [1997US-P053927]
Rel. Prov. 60/054,172 19970730 [1997US-P054172]**Priority Details :**US12193698 19980724 [1998US-0121936]
US5392797P 19970728 [1997US-P053927]**Intl Patent Class :**

(A) F41B-005/14 F41B-005/20

EPO ECLA Class :

F41B-005/20

US Patent Class :

ORIGINAL (O) : 124089000; CROSS-REFERENCE (X) : 124086000

Document Type :

Basic

Citations :US3695248; US4101704; US4309974; US4346205; US4378781; US4570608;
US4615327; US4660538; US4706788; US4726348; US4744347; US4777739;
US4955356; US5016602; US5273022; US5339793; US5411009; US5507477;
US5535731; US5649527; US5735257; US5842686**Publication Stage :**

(A) United States patent


Abstract :

A combination archery bow stabilizer and string tracker having a built-in shock- and vibration-damping system comprising a body portion containing a chamber for holding a spool of tracking string and a chamber housing a temperature-insensitive vibration-damping and shock-absorbing viscoelastic polymer element in which a bow-mounting rod is embedded. The viscoelastic polymer element material is preferably a flexible

polyurethane of essentially linear structure, containing unsatisfied hydroxyl groups, and having a compression set of less than 15%, an elongation at break of at least 500%, and a recovery after compression which is delayed by at least 0.7 seconds. The system minimizes the vibration due to shock created by the release of the arrow and by the pay out of the tracking string.

1 / 1 LGST - ©EPO

Patent Number :

 US6021770 A 20000208 [US6021770]

Application Number :

US12193698 19980724 [1998US-0121936]

Action Taken :

20030422 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20021018


20030722 US/CC-A
CERTIFICATE OF CORRECTION

Update Code :

2003-35

1 / 1 CRXX - ©CLAIMS/RRX

Patent Number :

 6,021,770 A 20000208 [US6021770]

Patent Assignee :

Ames Arvid A; Sodaro John C

Actions :

20021018 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20030422
REISSUE REQUEST NUMBER: 09/121936
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3712

Reissue Patent Number:

20030812 CERTIFICATE OF CORRECTION

UNITED STATES OF AMERICA (US)

Legal Status (No, Type, Date, Code, Text):

US 5828129	P	19960925	US AA	PRIORITY (PATENT)
		KR 9642479	A	19960925
US 5828129	P	19970123	US AE	APPLICATION DATA (PATENT)
				(APPL. DATA (PATENT))
		US 788105	A	19970123
US 5828129	P	19970123	US AS02	ASSIGNMENT OF ASSIGNOR'S
				INTEREST
				LG SEMICON CO., LTD. 1, HYANGJEONG-DONG,
				HEUNGDUK-KU, CHEONGJU-SI CHUNGCHONGBUK ;
				ROH, JAE SUNG : 19970111
US 5828129	P	19981027	US A	PATENT
US 6071770	P	19960925	US AA	PRIORITY (PATENT)
		KR 9642479	A	19960925
US 6071770	P	19970123	US AA	PRIORITY
		US 788105	A3	19970123
US 6071770	P	19980515	US AE	APPLICATION DATA (PATENT)
				(APPL. DATA (PATENT))
		US 79263	A	19980515
US 6071770	P	20000606	US A	PATENT

1 of 1 DOCUMENT

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6021770

[Link to Claims Section](#)

February 8, 2000

Bow stabilizer with game finder

INVENTOR: Sodaro, John C. - Monkton, Vermont, United States (US)

APPL-NO: 121936 (09)

FILED-DATE: July 24, 1998

GRANTED-DATE: February 8, 2000

ENGLISH-ABST:

A combination archery bow stabilizer and string tracker having a built- in shock- and vibration-damping system comprising a body portion containing a chamber for holding a spool of tracking string and a chamber housing a temperature-insensitive vibration-damping and shock- absorbing viscoelastic polymer element in which a bow-mounting rod is embedded. The viscoelastic polymer element material is preferably a flexible polyurethane of essentially linear structure, containing unsatisfied hydroxyl groups, and having a compression set of less than 15%, an elongation at break of at least 500%, and a recovery after compression which is delayed by at least 0.7 seconds. The system minimizes the vibration due to shock created by the release of the arrow and by the pay out of the tracking string.